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HUNTINGDONSHIRE COUNTY COUNCIL.

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ANNUAL REPORT

OF THE

COUNTY MEDICAL OFFICER

UPON THE

HEALTH AND SANITARY CONDITION

OF THE

COUNTY OF HUNTINGDON

FOR THE YEAR

1919.

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C. B. MOSS-BLUNDELL, M.D. D.P.H.,

*County Medical Officer of Health,*

*School Medical Officer and Tuberculosis Officer.*

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HUNTINGDON :

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TO THE  
CHAIRMAN, ALDERMEN & COUNCILLORS  
OF THE  
HUNTINGDONSHIRE COUNTY COUNCIL.

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My Lords, Ladies and Gentlemen,

I have the honour to present the Annual Report on the Health and Sanitary Condition of the County of Huntingdon for the year 1919 compiled from various departments submitted to me.

There was no change in the personnel of the Staff, my duties being conducted by Dr. Hargrave, until my return on April 1st.

I have the honour to remain,

Your obedient servant,

C. B. MOSS-BLUNDELL.

### POPULATION.

The figures of deaths, births and population have been supplied by the Registrar General and are those on which this report has to be framed.

The estimated "civil" population is as follows:—

Urban Districts	...	...	...	23,001.
Rural Districts	...	...	...	28,714.
Administrative County	...	...	...	51,715.

Two estimates of population are given,

One to be used for the calculation of the 'death rate' is the estimate of the civil population of the district; the other which is to be used for the calculation of the 'birth rate' is an estimate of the total population based on the assumption that the ratio between total and civilian population is the same in the district as in England and Wales, as a whole, and has been calculated by adding to the published estimate for 1914, the natural increase up to the middle of the year 1917.

### BIRTH-RATE.

The total number of births registered was 865, with a birth-rate of 15·1 compared with 15·4 in 1918 and 14·8 in 1917.

This is a low rate but in this respect it does not differ from that of the country at large. In Central Europe also the falling birth-rate is causing concern.

The numbers of legitimate and illegitimate births and deaths are shewn in table appended.

DISTRICTS.	NETT BIRTHS.		NETT DEATHS. UNDER 1 YEAR.	
	Legitimate.	Illegitimate.	Legitimate.	Illegitimate.
<i>Urban—</i>				
Godmanchester ...	33	3	2	0
Huntingdon ...	72	9	6	0
Old Fletton ...	123	3	8	1
Ramsey ...	109	6	9	2
St. Ives ...	32	1	3	0
St. Neots ...	65	5	8	1
	434	27	36	4
<i>Rural—</i>				
Huntingdon ...	132	9	9	0
St. Ives ...	150	6	10	1
St. Neots ...	89	4	3	0
Norman Cross ...	82	3	6	0
Stibbington ...	1	0	1	0
Oundle ...	15	0	0	0
Thrapston ...	4	0	2	1
	473	22	31	2
Total of whole County	907	49	67	6

The ratio of illegitimate to total births thus shown is 54·0 per 1000. In 1917 the ratio was 92·1 and in 1914 was 53 per 1000.

### DEATH-RATE.

There were 739 deaths altogether registered belonging to the County. This number includes those deaths which took place outside the County, and excludes "non-residents," *i.e.*, those which took place in the County of persons not belonging to the District. Deaths occurring amongst the Military are not included.

The death-rate was 14·2 per 1000, compared with 16·3 in 1918.

In the Urban Districts 300 deaths were registered with a death-rate of 13·0 per 1000; and in the Rural Districts 429 deaths were registered making a death-rate of 15·2 per 1000.

It will be noticed that the birth-rate for the whole county is below the death-rate; but it must be borne in mind that the birth-rate and death-rate populations differ by several thousands (see Table I).

The principal causes of death were diseases of the respiratory and circulatory systems and cancer (see Table III).

The following Table shows a comparison of the County with the rest of England and Wales :—

	Estimated Population.	Birth- rate.	Death-rate.	Infant Mortality.
HUNTINGDONSHIRE ... ..	51·715	15·1	14·2	84·3
England and Wales ... ..		18·5	13·8	89

**The Infant Mortality Rate** means the number of children who die under the age of one year in proportion to the number of births.

In 1919 there were 73 infant deaths and in 1918 the number was 70, making a rate of infant mortality per 1000 births of 84·3

Congenital debility and premature birth accounted for nearly one-half of the deaths. Details are set forth on Table IV.

### SANITARY CIRCUMSTANCES.

**Housing.**—See Table V.



**Water Supply.**—No change in conditions since 1914.

Huntingdon Town, Old Fletton, St. Ives, St. Neots, Fenstanton, Houghton, Great Paxton, and Abbotsley have a Public Supply all the rest of County relies on wells, mostly shallow, and Ponds. These sources are precarious and the few analysis made generally shew gross pollution. Godmanchester and Ramsey especially are in need of a Public Supply.

**Rivers and Streams.**—The great Ouse, Nene and various brooks flowing into them are polluted by the inhabitants along the banks. Huntingdon Town drains practically directly into the river and it is at times a great source of nuisance at the outfall at Newtown.

**Drainage and Sewage.**—Huntingdon, St. Ives, St. Neots, and Fletton have water sewerage system. The other areas have pails or vaults with the exception of a few private houses draining either into cesspools or ditches. Many of the vaults are filthy and many pails badly scavenged. One feels one has to choose between two evils the fly nuisance of the pail during the summer and the constant danger from water pollution of the deep pit or vault. No attempt has been observed to render any latrine fly-proof.

**Closet Accommodation.**—See above.

No records have been keep during the War as to relative proportions of different types.

**Scavenging.**—The towns have scavenging arrangements, varying in efficiency. Very few of the villages have public services.

The system of dumping refuse outside the town or village is very insanitary and the absence of destructors or incinerators is apparent.

## SANITARY INSPECTION OF DISTRICTS.

The Sanitary tables have been discontinued during the War and the information supplied is too inadequate to tabulate.

## PREMISES AND OCCUPATIONS CONTROLLED BY BYE-LAWS.

The following are the only returns submitted :—

Lodging Houses	...	3	Inspections	...	15
Slaughter Houses	...	8	Inspections	...	344

**Schools.**—The more modern schools are good, the other ones suffer from defects in lighting and ventilation according to present ideas. Some have been found to be dirty owing to the slackness of the cleaners, but a note to the Clerk to the Education Committee has effected improvement. The Water supply and Sanitary arrangements are usually in keeping with local conditions.

### FOOD SUPPLY.

There is no information on the Food Supply except that of the result of Analysis furnished by the Chief Constable, viz :—

### FOOD AND DRUGS ACT.

The administration of this Act is in the hands of the police.

A summary of the report of the Public Analyst, Mr. J. West Knights, is as follows :—

62 samples of milk were taken of which 4 were deficient, viz 6·4%

During the 1st quarter 43 samples were taken and 4 found deficient							
„	2nd	„	10	„	„	0	„
„	3rd	„	14	„	„	2	„
„	4th	„	11	„	„	0	„
			—				—
			78				6

### INFECTIOUS DISEASES.

*Details are found in Table II and IIa.*

The year has been marked by a great increase in the number of cases of diphtheria.

There were 139 cases, half of which were in Huntingdon Urban and Rural, Godmanchester and Ramsey. Every effort was made to ascertain the cause of the spread and the probability is in favour of undetected carriers being the means. There appeared to be one or two central foci of infection in poor quarters of the town where bad housing and overcrowding favoured infection by close personal contact. The epidemic in this County was coincident with a similar state of affairs in various other parts of the Country. The Isolation Hospital was taxed beyond its capabilities, and further accommodation is urgently needed. Antitoxin is supplied all from the County Laboratory and Swabs were incubated, examined and reported upon by the County Medical Officer.

**Scarlet Fever.**—Shews a decrease viz :—56 cases against 74 in 1918. Old Fletton heads the List with 13, being the tailing off of the 35 cases they had in 1918.

**Influenza.**—There were 34 deaths in the whole County (as against 160 in 1918) St. Neots Rural being responsible for 11.

**Measles.**—In the two deaths from Measles investigated by the Health Visitors both of girls about 12 years of age, one suffered from complications of a tuberculous character, and the other from heart trouble and bronchitis. Many families had every member ill with measles in rotation, lasting over several weeks, and were usually attended by a Doctor and well cared for.



## HOSPITAL ACCOMMODATION.

No improvement has taken place with regard to hospital accommodation especially for infectious diseases. Godmanchester and St. Neots, and the rural districts of Norman Cross, Thrapston and St. Neots have made no provision for the care of sufferers in their districts beyond the supply of Antitoxin in certain cases. The pressing need of some means of isolating and treating infectious diseases, notably diphtheria and scarlatina, in these areas, has been pointed out on previous occasions. It ought to be possible to arrange that all these cases should be treated in the Huntingdon Isolation Hospital under a Joint Isolation Hospital Area Scheme.

**Tuberculosis.**—(See table A). There were 112 notifications of tuberculosis, 77 pulmonary and 35 nonpulmonary, a slight decrease on 1918. 50 persons were sent to Sanatorium, viz :—12 women, 2 children and 36 men.

There is a great shortage of accommodation for children and a long waiting list. Amongst the men a history of gas was frequently obtained and it is now that the sinister results of poison gas are beginning to be manifest and I fear that we shall not see the end of it during this generation.

13 open air shelters are in use and 16 beds are retained at Papworth for men, 8 for early and 8 for advanced cases.

TABLE A.

PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1912.

Summary of Notifications during the period from the 29th December, 1918 to the 3rd January, 1920. in the County of Huntingdon.

Notifications on Form A.															Notifications on Form B.					Number of Notifica- tions on Form C.	
Age Periods.	Number of Primary Notifications.												Total Notifi- cations on Form A.	Number of Primary Notifications.			Total Notifi- cations on Form B.	Poor Law Instution	Sanatoria.		
	0 to 1	1 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 and up- wards.	Total Primary Notifi- cations.		5 to 10	10 to 15	Total Primary Notifi- cations.					
Pulmonary Males.....	—	—	9	4	4	6	6	5	2	4	1	41	41	—	2	1	3	3	—	5	
"    Female .....	—	1	1	4	4	9	6	6	4	—	1	36	36	—	2	2	4	4	—	1	
Total .....	—	1	10	8	8	15	12	11	6	4	2	77	77	—	4	3	7	7	—	6	
Non-Pulmonary Males...	—	2	4	3	3	3	1	—	—	1	—	17	17	—	—	—	—	—	—	—	
"    Females	1	5	—	1	1	2	4	1	1	—	2	18	18	—	—	—	—	—	—	—	
Totals .....	1	7	4	4	4	5	5	1	1	1	2	35	35	—	—	—	—	—	—	—	
													Pulmonary		77		{	112			
													Non-Pulmonary		35						



### MIDWIVES ACT.

During the year 1919 the system of surprise visits was continued by the County Medical Officer of Health.

The names of 24 women practising in the County were on the register ; 16 were trained midwives and 8 were bona fides. Of the 16 trained, 12 worked in connection with Nursing Associations and 4 were in private practice.

Of the 8 bona fide, 5 were in active practice, and 3 obliged neighbours occasionally.

159	births	were	attended	by	Midwives.
669	„	„	„	„	Doctors.
2	„	„	„	„	Handy-women.

19	notifications	for	sending	for	medical	help	)	were	received
2	„		of	having	laid	out	a	dead	body
							)	from	midwives.

### NOTIFICATIONS OF BIRTHS EXTENSION ACT, 1915.

Of the 920 births registered.

191	were	notified	by	midwives.
10	„	„	„	parents.
669	„	„	„	doctors.
50	„	„	„	registrars only.

13 infants were still-born.

### VENEREAL DISEASE.

From the beginning of the year 1917 arrangements were made with the Committee of Addenbrooke's Hospital, Cambridge, for the diagnosis and treatment of the above at there Treatment Centre. In August, with the approval of the Local Government Board, Huntingdonshire County Council united with the Cambridgeshire County Council and the Isle of Ely in a joint scheme whereby the Huntingdonshire County Council agreed to share expenses incurred pro rata.

The total number of Huntingdonshire patients treated at the Centre was as follows :—

Number of New Patients	...	...	...	42
„ Old Patients	...	...	...	16
In-Patients, Days in Ward	...	...	...	409
Attendances	...	...	...	276
Wasserman Tests	...	...	...	94
Salvarson injections	...	...	...	170

## ABSTRACT OF REPORT OF COUNTY HEALTH VISITOR FOR 1919.

### Visits of Whole-Time Health Visitors.

No. of Visits under the Notification of Births Act	...	1,264
„ to cases of Measles	... ..	219
„ to Children under School age	... ..	1,438
Ante-Natal Visits...	... ..	94
Miscellaneous Visits, including school children and tuberculosis visits	... ..	473

### Visits of 13 Part-Time Health Visitors.

Visits paid under the Notification of Births Act	...	2,808
„ to children under school age	... ..	2,181
Ante-Natal visits	... ..	678
Miscellaneous visits	... ..	176

Miss Thackray was appointed as a whole time County Health Visitor in Sept., 1919, and her figures are included in those of the Whole Time Health Visitors.

The infants continue on the whole to be well cared for and well fed. In cases of underfeeding and neglect, clothing and milk have been supplied. The teeth of expectant and Nursing Mothers have in about 50% of those advised, been attended to through the aid of the Ivory Cross, the mothers paying about one quarter when they could and the Ivory Cross paying the whole amount in cases of necessity: where parents could afford it the whole family have had their teeth attended to.

Many young children have been found to be suffering from tonsils and adenoids, and in need of circumcision; these have, with few exceptions, have been remedied upon medical advice, either by their general practitioner, or the hospital or Infirmary. The cases of ophthalmia neonatorum investigated, have all been treated promptly and with good results.

There are many cases of overcrowding, which it is impossible to remedy owing to shortage of houses. Alcoholism and laziness seem to be the prevailing factors where still-births, neglect and vermin are found; these conditions are more frequent in the town than in the country districts.

Rabbits, pigs and poultry are kept in very small yards, and quite close to dwelling-houses: although an adjunct to the food supply, they appear to be a nuisance from a sanitary point of view, fleas, flies and offensive smells often finding their way into the adjacent cottages.

Goats continue to be a useful source of pure milk where houses are isolated and sufficient pasture for cows is not available.



The binder or "swather" is gradually becoming a thing of the past, and infants are more comfortably and hygienically dressed. There appears to be need for some financial help for parents with 6 or 7 children under 12 years of age, as even with the present agricultural wage, the price of necessities is so great that the family is frequently underfed and insufficiently clothed and shod.

The parents appreciate the advice and help given, and especially those in rural villages and the fens, and are very anxious for the next visit. The comforter is still used more than one would expect, but many young mothers do not give them when advised not to do so.

There is a difficulty in getting adequate care and nursing in many homes at a fee which the mothers can afford, owing to lack of sleeping accommodation for a nurse in isolated cottages with a family. The handy-women have to be relied on, in these instances, and whenever encountered are directed in the proper way of clothing and attending to mother and infant.

There seems to be no regular system of notification from Workhouse Infirmarys when babies born there remove to other homes, and two or three have been incidentally found suffering from serious affections, and in some cases even death has followed. Amongst illegitimate babies, where there is more than one, the mother unable to obtain assistance from the father has a very hard struggle to support herself and children. Many apply to be adopted, but there is great difficulty in getting a second illegitimate infant adopted by any Charitable Institution.

### OTHER SERVICES.

In July the British Red Cross Society handed over in charge of the County Council a 20 h.p. G.M.C. Ambulance. Much useful work has been done for the hospital, Sanatorium and the public generally and it appears to be much appreciated. If an efficient Motor Ambulance service were available for the whole Country and suitable grouping adopted, the number of small fever and smallpox hospitals could be considerably reduced.

TABLE 1.  
VITAL STATISTICS FOR THE YEAR 1919.

**URBAN DISTRICTS.**

DISTRICT.	Estimated "civil" population to middle of 1916.	BIRTHS, NETT.		NETT DEATHS, BELONGING TO THE DISTRICT.			
		Number.	Rate.	Under 1 Year of Age		At all Ages.	
				Number. *	Rate per 1000 Nett Births. 6.	Number *	Rate.
1.	2.	3.	4.	5.	6.	7.	8.
Godmanchester ...	B. 2098 D. 2014 }	33	15·7	2	60·6	25	12·4
Huntingdon ...	B. 4208 D. 4040 }	71	16·8	6	84·5	63	15·5
Old Fletton ...	B. 5023 D. 4822 }	120	23·8	9	75	66	13·6
Ramsey ...	B. 5434 D. 5216 }	98	18	11	112·2	52	9·9
St. Ives ...	B. 2991 D. 2871 }	31	1·3	3	96·7	41	14·2
St. Neots ...	B. 4206 D. 4038 }	55	13	9	163·6	53	13·1
Totals ...	B.23960 D.23001 }	408	15·1	40	98·0	300	13·0

**RURAL DISTRICTS.**

Huntingdon ...	B. 6460 D. 6201 }	122	18·8	9	81·1	94	15·1
St. Ives ...	B. 9487 D. 9108 }	138	14·5	11	79·6	133	14·6
St. Neots ...	B. 6781 D. 6510 }	90	14·7	3	33·3	103	15·8
Norman Cross ...	B. 4930 D. 4733 }	77	15·6	6	77·9	78	16·4
Stibbington ...	B. 421 D. 404 }	6	14·2	1	116	7	17·3
Oundle ...	B. 1015 D. 974 }	15	14·7	0	0·0	11	11·3
Thrapston ...	B. 817 D. 784 }	9	11	3	333	13	16·5
Totals ...	B.29911 D.28714 }	457	15·2	33	72·2	439	15·2

**TOTALS FOR THE COUNTY.**

Whole County ...	B.53871 D.51714 }	865	14·2	73	84·3	739	14·2
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Rates calculated per 1000 of estimated population, "B" being the number employed for estimating the Birth Rate and "D" for the Death Rate.



TABLE II.

Cases of Infectious Diseases notified during the Year 1919.

## URBAN DISTRICTS.

NOTIFIABLE DISEASES.	Total Cases Notified in each Locality.							Number of Cases Removed to Hospital from each District.					
	At all Ages.	Godmanchester	Huntingdon	Old Fletton	Ramsey	St. Ives	St. Neots	Godmanchester	Huntingdon	Old Fletton	Ramsey	St. Ives	St. Neots
Diphtheria ...	112	17	61	4	27	3	...						
Erysipelas ...	7	...	...	6	...	...	1						
Scarlet Fever ...	35	6	9	13	...	1	6						
Enteric Fever ...	1	...	1	...	...	...	...						
Puerperal Fever..	1	...	...	1	...	...	...						
Cerebro-spinal Meningitis }	3	...	...	...	...	2	1						
Ophthalmia Neonatorum }	5	...	1	2	...	...	2						
Pulmonary Tuberculosis }	32	4	9	7	4	4	4						
Other forms of Tuberculosis }	15	...	1	4	3	5	2						
Measles and Rose Measles }	139	14	13	8	5	14	85						
Malaria ...	12	...	...	5	2	2	3						
Encephalitis ...	3	...	1	...	1	1	...						
Pneumonia and Influenza }	25	2	3	11	3	...	6						
Totals ...	390	43	99	61	45	32	110						

TABLE II.  
RURAL DISTRICT.

NOTIFIABLE DISEASES.	TOTAL CASES NOTIFIED IN EACH LOCALITY.								NUMBER OF CASES REMOVED TO HOSPITAL IN EACH LOCALITY.						
	At all Ages.	Huntingdon	St Ives	St. Neots	Norman Cross	Stibbington	Oundle	Thrapston	Huntingdon	St. Ives.	St. Neots	Norman Cross	Stibbington	Oundle	Thrapston
Diphtheria ...	27	20	2	3	2	3	...	...						5	
Erysipelas ...	2	1	...	1	...	...	...	...							
Scarlet Fever ...	21	...	5	6	6	1	2	1							
Enteric Fever ...	1	...	1	...	...	...	...	...							
Puerperal Fever...	2	...	...	...	1	...	1	...							
Cerebro-spinal Meningitis }	3	1	2	...	...	...	...	...							
Ophthalmia Neonatorum }	5	1	1	1	2	...	...	...							
Pulmonary Tuberculosis }	32	3	8	4	16	...	1	...							
Other forms of Tuberculosis }	12	1	6	2	3	...	...	...							
Measles and Rose Measles }	110	48	24	13	4	5	...	16							
Malaria ...	6	2	1	2	1	...	...	..							
Pneumonia and Influenza }	20	8	2	2	8	...	...	...							
Totals ...	241	85	52	34	43	6	4	17							



## TOTAL OF NOTIFIED CASES FOR WHOLE COUNTY.

Diphtheria.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Ophthalmia Neonatorum.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles and Rose Measles.	Malaria.	Pneumonia and Influenza.	Encephalitis.	Total.
139	9	56	22	3	6	10	64	27	249	18	45	3	631

TABLE II. A.

## NOTIFICATION OF INFECTIOUS DISEASE AND ATTACK RATES, 1919.

	Estimated Civil Populations in the middle of 1919.	Scarlet Fever.		Diphtheria.		Enteric Fever.		Puerperal Fever.		Erysipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
ADMINISTRATIVE COUNTY	51,715	63	1·22	150	2·90	2	0·04	3	0·06	11	0·21
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS..	23,001	37	1·61	118	5·13	1	0·04	1	0·04	9	0·39
AGGREGATE OF RURAL DISTRICTS ... ..	28,714	26	0·91	32	1·11	1	0·03	2	0·07	2	0·07
BOROUGHES AND URBAN DISTRICTS :—											
Godmanchester ... ..	2,015	6	2·98	20	9·93	...	...	...	...	1	0·50
Huntingdon ... ..	4,040	9	2·23	64	15·84	1	0·25	...	...	...	...
Old Fletton ... ..	4,822	14	2·90	4	0·83	...	...	1	0·21	7	1·45
Ramsey ... ..	5,216	1	0·19	28	5·37	...	...	...	...	...	...
St. Ives ... ..	2,871	1	0·35	2	0·70	...	...	...	...	...	...
St. Neots ... ..	4,038	6	1·49	...	...	...	...	...	...	1	0·25
RURAL DISTRICTS :—											
Huntingdon ... ..	6,201	5	0·81	25	4·03	...	...	...	...	1	0·16
Norman Cross ... ..	4,733	6	1·27	2	0·42	...	...	1	0·21	...	...
*Oundle (part of) ... ..	974	2	2·05	...	...	...	...	1	1·03	...	...
St. Ives ... ..	9,108	5	0·55	3	0·33	1	0·11	...	...	...	...
St. Neots ... ..	6,510	6	0·92	2	0·31	...	...	...	...	1	0·15
†Stibbington (parish) ... ..	404	1	2·48	...	...	...	...	...	...	...	...
*Thrapston (part of) ... ..	784	1	1·28	...	...	...	...	...	...	...	...

\* The remaining parts of the Rural Districts of Oundle and Thrapston are in the Administrative County of Northampton.

† This parish is administered by the Rural District Council of Barnack (Soke of Peterborough.)

**TABLE III.**  
**RURAL DISTRICTS.**

Causes of and Ages at Death during the Year 1919.

CAUSES OF DEATH.	Deaths in or belonging to whole Districts at subjoined ages.								Deaths in or belonging to Localities (all Ages).							Total Deaths in Public Institutions in the District.
	All Ages.	Under 1 year	1 and under 5	5 and under 15	15 and under 25	25 and under 45	45 and under 65	65 and upwards	Huntingdon	St. Ives	St. Neots	Norman Cross	Stibbington	Oundle	Thrapston	
1 Enteric Fever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2 Small Pox ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3 Measles ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4 Scarlet Fever ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5 Whooping Cough...	4	3	1	..	..	..	..	..	..	2	1	1	..	..	..	..
6 Diphtheria and Croup ...	4	..	1	2	..	1	..	..	3	..	1	..	..	..	..	..
7 Influenza ..	21	1	1	1	3	7	6	2	4	..	11	3	1	1	1	..
8 Erysipelas ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9 Phthisis Pulm. Tuberculosis ...	22	..	2	1	5	9	3	2	4	9	3	5	..	1	..	..
10 Tuberculosis Meningitis ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11 Other Tubercu- lous Diseases ...	7	..	1	1	..	2	2	1	..	3	2	2	..	..	..	..
12 Cancer, malig. dis.	55	..	..	..	..	..	26	29	13	16	13	10	2	1	..	..
13 Rheumatic Fever...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14 Meningitis...	3	..	1	..	1	..	1	..	1	..	1	1	..	..	..	..
15 Organic Heart Disease ...	49	..	..	1	..	3	18	27	11	13	11	8	2	2	2	..
16 Bronchitis ..	33	6	1	..	..	..	3	23	8	7	7	9	1	1	..	..
17 Pneumonia (all forms ...	15	4	3	1	..	..	2	5	4	3	5	2	..	..	1	..
18 Other diseases of respirat'y orgs. ...	3	..	..	..	..	..	1	2	1	..	1	..	..	..	1	..
19 Diarrhoea and Enteritis ...	7	1	1	..	1	2	2	..	..	..	..	2	..	..	..	..
20 Appendicitis and Typhlitis...	3	..	..	1	..	..	2	..	1	1	1	..	..	..	..	..
21 Cirrhosis of liver ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21a. Alcoholism ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
22 Nephritis and Bright's Dis. ...	10	..	..	..	1	2	5	2	1	3	3	2	..	1	..	..
23 Puerperal Fever ...	1	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..
24 Other accidents and diseases of Preg- nacy and Partu- rition ...	2	..	..	..	..	2	..	..	..	..	2	..	..	..	..	..
25 Congenital Debility and Malformation including Prema- ture Birth ...	13	13	..	..	..	..	..	..	2	5	2	..	2	..	2	..
26 Violent Deaths ex- cluding suicide ...	12	1	..	1	2	2	2	4	2	5	1	4	..	..	..	..
27 Suicide ...	1	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..
28 Other defined Diseases ...	170	3	2	4	2	7	24	128	39	64	39	22	1	4	6	..
29 Diseases ill-defined or unknown ...	4	..	..	..	..	..	2	2	..	1	..	3	..	..	..	..
TOTALS ...	439	32	14	13	16	38	99	227	94	132	104	76	9	11	13	



**TABLE III.**  
**URBAN DISTRICTS.**

Causes of, and Ages at Death during the Year 1919.

CAUSES OF DEATH	Deaths in or belonging to whole Districts at subjoined Ages.								Deaths in or belonging to Localities (all Ages).						Total Deaths in Public Institutions in the District
	All Ages	Under 1 year	1 and under 5	5 and under 15	15 and under 25	25 and under 45	45 and under 65	65 and upwards	Godmanchester	Huntingdon	Old Fletton	Ramsey	St. Ives	St. Neots	
All causes ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1 Enteric Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2 Small Pox ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3 Measles ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4 Scarlet Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5 Whooping Cough ...	11	9	2	...	...	...	...	...	...	3	6	1	...	1	...
6 Diphtheria and Croup ...	6	...	6	...	...	...	...	...	...	4	...	2	...	...	...
7 Influenza ... ..	13	1	2	...	1	4	2	3	1	...	6	...	2	4	...
8 Erysipelas ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9 Phthisis Pulmonary Tuberculosis	20	...	...	10	7	3	...	...	2	5	3	3	4	3	...
10 Tuberculous Meningitis ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11 Other Tuberculous Diseases...	8	...	1	...	2	1	3	1	1	2	1	1	2	1	...
12 Cancer, mal. dis. ...	24	...	...	...	...	2	8	14	5	4	4	3	2	6	...
13 Rheumatic Fever...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14 Meningitis ... ..	3	1	1	1	...	...	...	...	...	...	...	1	1	1	...
15 Organic Heart Disease ... ..	30	...	...	...	1	8	21	...	2	1	11	3	4	9	...
16 Bronchitis ... ..	21	4	2	...	...	3	12	...	...	2	4	7	1	7	...
17 Pneumonia all forms ... ..	21	5	2	1	2	2	4	5	3	2	5	8	2	1	...
18 Other Diseases of respirat'y organs	3	...	...	...	...	1	1	1	...	...	2	...	...	1	...
19 Diarrhoea and Enteritis...	4	1	...	...	...	...	2	1	...	1	...	...	...	...	...
20 Appendicitis and Typhlitis...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21 Cirrhosis of liver...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21a. Alcoholism...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22 Nephritis and Bright's disease..	5	...	...	...	...	...	2	3	...	1	3	...	...	1	...
23 Puerperal Fever ...	1	...	...	...	1	...	...	...	...	...	1	...	...	...	...
24 Other accidents & diseases of Pregnancy & Parturition ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25 Congenital Debility and Malformation, including Premature Births ...	16	14	1	1	...	...	...	...	2	3	2	3	2	4	...
26 Violent deaths, excluding suicide ...	6	...	...	...	3	...	1	2	...	1	2	2	...	1	...
27 Suicide ... ..	1	...	...	...	...	...	1	...	...	...	...	...	...	1	...
28 Other defined Diseases ... ..	104	4	...	2	4	3	17	74	9	32	16	18	20	12	...
29 Diseases ill-defined or unknown ...	3	...	...	...	...	1	1	1	...	2	...	...	1	...	...
TOTALS ... ..	300	39	17	15	21	28	75	105	25	63	66	52	41	53	...

TABLE III.

## WHOLE COUNTY.

Causes of, and Ages at Death during the Year 1919.

CAUSES OF DEATH.	All Ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 45.	45 and under 65.	65 and upwards.	Total Deaths in Public Institutions in the District.
1. Enteric Fever...	...	...	...	...	...	...	...	...	...
2. Small-pox ...	...	...	...	...	...	...	...	...	...
3. Measles ...	...	...	...	...	...	...	...	...	...
4. Scarlet Fever ...	...	...	...	...	...	...	...	...	...
5. Whooping Cough ...	15	12	3	...	...	...	...	...	...
6. Diphtheria and Cough	10	1	7	2	...	...	...	...	...
7. Influenza ...	34	2	3	1	4	11	8	5	...
8. Erysipelas ..	...	...	...	...	...	...	...	...	...
9. Phthisis (Pulmonary Tuberculosis) ...	42	...	2	11	12	12	3	2	...
10. Tuberculous Meningitis	...	...	...	...	...	...	...	...	...
11. Other Tuberculous Dis.	15	...	2	1	2	3	5	2	...
12. Cancer, malignant Dis.	79	...	...	...	...	2	34	43	...
13. Rheumatic Fever ..	...	...	...	...	...	...	...	...	...
14. Meningitis ...	6	1	2	1	1	...	1	...	...
15. Organic Heart Disease	79	...	...	1	1	11	39	27	...
16. Bronchitis ...	54	10	3	...	...	3	15	23	...
17. Pneumonia (all forms)	36	9	5	1	2	3	6	10	...
18. Other diseases of respiratory organs ...	6	...	...	...	...	1	2	3	...
19. Diarrhoea & Enteritis ..	11	2	1	...	1	2	4	1	...
20. Appendicitis and Typhlitis ...	3	...	...	1	...	...	2	...	...
21. Cirrhosis of liver ...	...	...	...	...	...	...	...	...	...
21a. Alcoholism ...	...	...	...	...	...	...	...	...	...
22. Nephritis and Bright's Disease ...	15	...	...	...	1	2	7	5	...
23. Puerperal Fever ...	2	...	...	...	1	1	...	...	...
24. Other accidents and diseases of Pregnancy & Parturition	2	...	...	...	...	2	...	...	...
25. Congenital Debility and Malformation, including Premature Birth ...	29	27	1	...	...	...	...	...	...
26. Violent Deaths, excluding suicide ...	18	1	...	1	5	2	3	6	...
27. Suicide ...	2	...	...	...	1	...	1	...	...
28. Other defined diseases	274	7	2	6	6	10	41	202	...
29. Diseases ill-defined or unknown ...	7	...	...	...	...	1	3	3	...
TOTALS ...	739	72	31	27	37	66	174	332	...



TABLE IV.

INFANTILE MORTALITY DURING THE YEAR 1919.  
NETT DEATHS FROM STATED CAUSES UNDER ONE YEAR OF AGE.

DISTRICTS.	All Causes.	Small-pox.	Chicken-pox.	Measles.	Scarlet Fever.	Diphtheria & Croup.	Whooping Cough.	Diarrhoea.	Enteritis.	Tuberculous Meningitis.	Abdominal Tuberculosis.	Other Tuberculous Diseases.	Congenital Malformation.	Premature Birth.	Atrophy, Debility, and Marasmus.	Atalectasis.	Injury at Birth.	Erysipelas.	Syphilis.	Rickets.	Meningitis (not Tuberculous).	Convulsions.	Violence.	Laryngitis.	Bronchitis.	Pneumonia, all forms.	Suffocation, overlying.	Other causes.
Godmanchester	2	...	...	...	...	...	...	1	...	...	...	...	...	1	2	...	...	...	...	...	...	...	...	...	1	...	...	...
Huntingdon Urban	6	...	...	...	...	...	2	1	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	1	...	...	...
Old Fletton	9	...	...	...	...	...	5	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	1	...	...	...
Ramsey	11	...	...	no	return	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...
St. Ives Urban	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
St. Neots	9	...	...	no	return	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total, Urban Districts Registrar Generals Return	40	...	...	...	...	...	7	1	...	...	...	...	...	1	5	...	...	...	...	...	...	1	...	...	2	2	...	1
Huntingdon Rural	9	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	6
St. Ives Rural	11	...	no	return	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
St. Neots Rural	3	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1
Norman Cross	6	...	no	return	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Stibbington	1	...	no	return	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Oundle Rural...	...	...	no	return	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Thrapston	3	...	no	return	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total, Rural Districts Registrar Generals' Return	33	...	...	...	...	...	1	...	...	...	...	...	...	3	1	...	...	...	...	...	...	...	...	...	...	...	...	7
Whole County	73	...	...	...	...	...	8	1	...	...	...	...	...	4	6	...	...	...	...	...	...	1	...	...	2	2	...	8

Nett Births in the Year { Legitimate, 858.  
Illegitimate, 49.  
Still-birth, 13.

Nett Deaths in the Year { Legitimate, 67.  
Illegitimate, 6.

In several cases no accurate reports were available and the Registrar Generals Return is quoted in the totals.

TABLE V.—TABLE OF SURVEY OF HOUSING NEEDS.

URBAN DISTRICTS. RURAL DISTRICTS.

	Godmanchester.	Huntingdon.	Old Fletton.	Ramsey.	St. Ives.	St. Neots.	Huntingdon.	St. Ives.	St. Neots.	Norman Cross.	Stibington.	Oundle.	Thrapston.
Pre-war population (1914)	2135	4004	5005	5300	3015	4171	9638	9791	7229	5627	No Report Available.		
Estimated present population	2150	4260	6500	5296	2782	4109	6903	9848	7000	5200			
Number of dwelling-houses in the district	552	1046	1200	1183	763	1133	1781	2483	1840	1420			
Number of working class houses in district	470	...	1050	1008	582	978	1527	1837	1311	1057			
Average number of working class houses built annually during the five years before the war	1	10	2	11	1	10	5.4	7	3	8			
Number of working class houses built between January 1st, 1915, and December 31st, 1918	2	40	6	0	4	4	8.0	12	0	2			
Tenements with more than two occupants per room	...	...	300	30	31	..	54	52	...	19			
Total number of Occupiers	...	...	...	277	187	...	374	364	...	148			
Required to meet the unsatisfied demand for houses (taking account of growth of population, overcrowding, etc.)	25	100	100	40	24	30	105	218	68	70			
To re-house persons to be displaced by the clearance of unhealthy areas	...	40	...	87	...	...	...	...	4	...			
To replace other dwellings which are unfit for human habitation and cannot be made fit	...	..	...	37	8	50	21	16	50	3			
To replace obstructive or other buildings (now inhabited and not included under heading (c) which should be demolished)	...	...	...	...	...	..	...	...	...	..			
To replace other houses, which although they cannot at present be regarded as unfit for human habitation, fall definitely below a reasonable standard	...	...	...	...	18	20	50	..	5	7			
To meet anticipated deficiencies, e.g. arising from new industrial development	..	..	50	...	...	...	...	...	15	...			
Number of inhabited houses in the district which are not and cannot be made fit for human habitation	...	...	...	124	8	50	21	16	32	3			
Number of persons inhabiting these houses	...	...	...	391	38	145	90	...	71	12			
Number of houses already subject to closing orders	...	...	...	8	...	9	...	..	10	..			
Number of houses seriously defective but can be made habitable	12	...	26	40	...	31	50	...	26	10			



# COUNTY OF HUNTINGDON EDUCATION COMMITTEE.

## Information for Head Teachers as to the procedure in cases of Infectious Disease.

### SUFFERERS.

### CONTACTS.

Disease. 1.	Incubation Period. 2.	Onset. 3.	ERUPTION.			Date on which child may return to School in un- complicated cases. 7.	If Contact has already had disease and patient is effectively isolated (but not otherwise). 8.	If Contact has not previously had disease. 9.
			Date of Appearance. 4.	Nature of. 5.	Date of fading. 6.			
Chickenpox (Glasspox or Blisterpox)	10—16 days	Sometimes slight malaise, but frequently no symptoms.	1st and 3 following days	Hard red spots, becoming filled with clear fluid next day— look like pearly blobs.	About 4th day	When every scab has fallen off.	May return to school.	21 days after latest exposure to infection.
*Diphtheria ... ..	2—10 days	General malaise and sore throat.	...	No eruption but wash-leather- like membrane on tonsils.	...	After 4 weeks and then only with Medical Certificate.	14 days after latest exposure to infection and after effects have been disinfected.	14 days after latest exposure to infection.
Measles ... ..	10—14 days	Running at eyes and nose, appearance of having a bad cold. Patient highly in- fectious for 2 days before rash appears.	4th day	Crescentic blotchy rash com- mencing on face round roots of hair—velvety to the touch	5th—7th day	Not less than 2 weeks from appearance of rash.	May return to school.	21 days after latest exposure to infection.
*Scarlet Fever ... .. (Scarlatina)	1—8 days usually	Sore throat, malaise, may vomit or have shivering attack.	2nd day	Bright scarlet rash, first noticed on neck and chest.	5th day	When peeling and sore throat have disappeared but not less than 6 weeks except upon Medical Certificate.	May return to school provided effects have been disinfected.	14 days after latest exposure to infection.
German Measles ... .. (Roserash)	7—18 days variable	Symptoms of mild scarlet plus those of mild measles.	2nd—4th day	Rash common to both measles and scarlet fever.	4th—7th day	Not less than 14 days from appearance of rash.]	May return to school.	21 days after latest exposure to infection.
Mumps ... ..	10—22 days	Malaise.	...	No eruption but swelling below and in front of ear (parotid gland).	...	Not less than 3 weeks.	May return to school.	28 days after latest exposure to infection.
*Typhoid Fever ... .. (Enteric)	7—21 days	Gradual onset headache, malaise sometimes nose bleeding.	5th day	Flat red spots borne out in successive crops.	21st day	Not less than 6 weeks from onset.	May return to school after effects have been disinfected.	28 days after latest exposure to infection.
Whooping Cough ... ..	7—14 days	Symptoms of ordinary bron- chial cold accompanied by cough and sometimes vomit- ing.	...	No rash—The characteristic whoop may not appear for 3 weeks although the patient is infectious before then.	...	Not less than 5 weeks from com- mencement, provided the characteristic whooping cough has ceased for at least 2 weeks.	May return to school.	21 days after latest exposure to infection.
Influenza ... ..	1—4 days	Generally symptoms of acute "cold" with headache and pains in back, &c.	...	...	...	In 7 days after temperature has become normal and all catarrhal discharges ceased,	7 days after latest exposure to infection.	7 days after latest exposure to infection.
Ringworm ... ..	...	...	...	...	...	When examination reveals no broken or diseased hairs.	May return to school provided they are free from disease, but must be observed daily.	
Impetigo ... .. ("Scabs")	...	Sore place or spot which child usually picks.	...	...	...	After all scabs have fallen off and sores healed.	May return to school provided they are free from disease, but must be closely watched.	
							In the case of contacts exceptions are sometimes made in individual instances. Each case must be treated on its merits and should be referred to County Medical Officer for further information.	

Diseases marked \* are notifiable under the Infectious Diseases Notification Act.

C. B. MOSS-BLUNDELL, M.D., D.P.H.,

January, 1921.

PLEASE KEEP FOR REFERENCE.

County Medical Officer.









